

WHAT IS CLAIMED IS:

1. A method of driving a liquid crystal display device comprising plural pixels, a driving circuit for supplying picture signals to the pixels, and a liquid crystal whose transmittivity is changed dependently on the voltage of the picture signals supplied to the pixels, the method comprising the steps of:
 - dividing one frame into plural subframes;
 - changing respective voltages of picture signals supplied in plural subframe periods so as to enlarge a voltage difference between a first picture signal supplied to the pixels in at least one subframe period and a second picture signal supplied to the pixels in the other one subframe period adjacent to the one subframe period on the basis of time; and
 - displaying one frame by displaying the plural subframes successively on the basis of time.
2. A method of driving a liquid crystal display device comprising plural pixels, a driving circuit for supplying picture signals to the pixels, and a liquid crystal whose transmittivity is changed dependently on the voltage of the picture signals supplied to the pixels, the method comprising the steps of:
 - dividing one frame into two subframes;
 - changing respective voltages of picture signals supplied in two subframe periods so as to enlarge a voltage difference between a picture signal supplied to the pixels in one subframe period and a picture signal supplied to the pixels in the other subframe period; and
 - displaying one frame by displaying the two subframes successively on the basis of time.
3. A method of driving a liquid crystal display device comprising the

steps of:

dividing one frame into plural subframes;

5 changing respective voltages of picture signals supplied in plural subframe periods so as to enlarge a voltage difference between a first picture signal supplied to the pixels in a first subframe period and a second picture signal supplied to the pixels in a second subframe period adjacent to the first adjacent period on the basis of time; and

displaying one frame by displaying the first and second subframes successively on the basis of time.

10

4. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein the period for each of the frames is 1/60 second.

15

5. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein each of the subframe periods is 1/120 second.

20

6. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein the period for each of the frames is 1/24 second.

25

7. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein the period for each of the frames is 1/48 second.

8. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein the period for each of the frames is 1/96 second.

30

9. The method of driving the liquid crystal display device according to any one of claims 1 to 3, wherein the liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a head mount display, a car 5 navigation system, a projector, a car stereo, a personal computer, and portable data terminals.

10. A liquid crystal display device comprising:

10 plural pixels;

10 a driving circuit for supplying picture signals to the pixels;

10 a liquid crystal whose transmittivity is changed dependently on the voltage of the picture signals supplied to the pixels;

15 means for dividing one frame to plural subframes, and dividing picture signals supplied in each of frame periods to picture signals supplied in plural subframe periods;

15 means for changing respective voltages of picture signals supplied in plural subframe periods so as to enlarge a voltage difference between a first picture signal supplied to the pixels in one subframe period and a second picture signal supplied to the pixels in the other one subframe period adjacent to the one subframe period on the basis of time; and

20 means for display one frame by displaying the subframes successively on the basis of time.

11. A liquid crystal display device comprising:

25 plural pixels;

25 a driving circuit for supplying picture signals to the pixels;

25 a liquid crystal whose transmittivity is changed dependently on the voltage of the picture signals supplied to the pixels;

30 means for dividing one frame into two subframes;

30 means for dividing picture signals supplied in each of frame

periods to picture signals supplied in two subframe periods;

means for changing respective voltages of picture signals supplied in two subframe periods so as to enlarge a voltage difference between a picture signal supplied to the pixels in one subframe period and a picture signal supplied to the pixels in the other one the subframe period; and

means for displaying one frame by displaying the two subframes successively on the basis of time.

12. A liquid crystal display device comprising:

10 means for dividing one frame into two subframes;

means for dividing picture signals supplied in each of frame periods to picture signals supplied in two subframe periods;

means for changing respective voltages of picture signals supplied in two subframe periods so as to enlarge a voltage difference between a first picture signal supplied to the pixels in a first subframe period and a second picture signal supplied to the pixels in a second subframe period; and

means for displaying one frame by displaying the first and second subframes successively on the basis of time.

20

13. The method of driving the liquid crystal display device according to any one of claims 10 to 12, wherein the period for each of the frames is 1/60 second.

25

14. The method of driving the liquid crystal display device according to any one of claims 10 to 12, wherein each of the subframe periods is 1/120 second.

30

15. The method of driving the liquid crystal display device according to any one of claims 10 to 12, wherein the period for each of the frames is

1/24 second.

16. The method of driving the liquid crystal display device according any one of claims 10 to 12, wherein the period for each of the frames is 1/48
5 second.

17. The method of driving the liquid crystal display device according to any one of claims 10 to 12, wherein the period for each of the frames is 1/96 second.

10

18. The method of driving the liquid crystal display device according to any one of claims 10 to 12, wherein the liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a head mount display, a car
15 navigation system, a projector, a car stereo, a personal computer, and portable data terminals.